

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: May 17, 2006

Inspector: Anne Schwenzer

Location: 345kV Underground Route

Storm/

Rain Event: Between 2.37-3.54" of rain was recorded on 5/12 with another 1.30-2.04" over 5/15-5/16 as reported by NOAA and depending on location.

| Areas of Inspection | Observation | Recommended Action | Corrective Action |
|--|---|--|---|
| Vault Openings and Trench Construction | - Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-5/17/06 | - Continue providing good "house- keeping" along the roadways. Full restoration will be required when work is completed. 2/2-5/17/06 | - Restoration is occurring and needs to continue. |
| | - Disturbed soil and stock-piles remain at School Rd at the HDD site. The area will be graded soon. 5/10-5/17/06 | - Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 4/12-5/17/06 | -Attention is needed soon-including sediment issues |
| | - Active work continues adjacent to Old Danbury Road. on Rt. 7 4/19-5/17/06 | - See erosion control section for more details. 5/17/06 | -N/A |
| | - Vaults were being accessed along Umpawaug Rd. in order to proof them and pull cable. 5/17/06 | - See other sections for more details. 5/17/06 | - N/A |
| | -A number of vaults continue to be accessed along other portions of the route for internal work as well. 4/12-5/17/06 | - None at this time. Include these areas as part of the restoration efforts. 4/12-5/17/06 | -N/A |

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| Erosion and Sediment (E&S) Controls | - Recent rains disturbed the straw and seed that had been placed at the high school J&B. 4/26-5/17/06 | - Further restoration is needed here, especially since silt fence was removed from the bank. Vegetation is coming in but it's spotty. 4/19-5/17/06 | -Mulch and seed had been placed but the area still needs attention |
| Route 7 | - Continue to monitor the outlet slope for vegetation and stabilization. 5/17/06 | -None at this time. 5/17/06 | -N/A |
| | - At the HDD, controls are degrading due to the additional rain and turbid water was noted getting under all the silt fence barriers. 5/17/06 | - Final restoration will occur in the near future as the basin will be graded and controls will be replaced. This needs to happen sooner than later. 5/10-5/17/06 | -Still needs attention, sooner than later |
| | - The downed silt fence was removed from the stream and it appeared that some sediment was removed from the channels in the back of the basin. 5/17/06 | - Continue to monitor and remove the additional deposits formed from silt coming down along the eastern wetland. 5/17/06 | -Efforts were made to clean up the area. |
| | -The combination of offsite dewatering and muds from the site led to sediment accumulation in the wetland to the east of the basin. 2/16-5/17/06 This increased further and water was noted washing under all of the silt fence barriers. 5/17/06 | -The accumulated sediment (over 6" in some areas) will need to be removed by hand to the extent feasible while attempting to avoid existing wetland vegetation. 5/10-5/17/06 All washed out controls need repair 5/17/06 | -This still needs attention and the condition has worsened |
| | - The basin area remains disturbed with stockpiles and asphalt rubble. 5/17/06 | - This work is supposed to be performed soon. 5/17/07 | - Still needs attention. |
| | - Additional controls were installed along the disturbed slopes adjacent to Old Danbury Rd. 5/17/06 | - The slopes along the constructed swale will be stabilized with erosion control mats when work is complete. 5/10-5/17/06 | -N/A at this time |
| | - The backfilled vault at | -Plan to restore further | - Needs attention |

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| <p>Erosion and Sediment (E&S) Controls</p> <p>Route 7 continued</p> <p>Rt. 107</p> <p>Umpawaug Rd.</p> | <p>Wilton Corp Park remains in better condition. 5/17/06</p> <p>- The storage area near #848 (Rt.7) is still highly utilized. 1/4-5/17/06</p> <p>- Debris was being piled here in the yard. 5/4-5/17/06</p> <p>- Landowner activities here are also directly affecting wetlands, including placing sediment on the banks of the swales. 3/15-5/17/06</p> <p>- Ruts from equipment access had been noted in the island at the Rt. 107 & 7 intersection leading to sedimentation near an inlet. 2/2-5/17/06</p> <p>- At the Georgetown Deli J&B the recent rains washed out an area at the base of the stream bank slope. 4/26-5/17/06</p> <p>- Two other areas along the stream slope north of the Deli had eroded and slumped although adjacent areas were well stabilized. 5/4-5/17/06</p> <p>- Some of the seed had washed out on the streambank to the south as well. 5/10-5/17/06</p> <p>-Silt fence was removed from along this entire area but further stabilization is still needed on the slopes. 5/17/06</p> <p>- Restoration was largely complete along Umpawaug</p> | <p>when feasible with vegetation. 5/17/06</p> <p>- Continue to monitor activity in here. Watch placement of project materials and equipment and provide good housekeeping. 5/17/06</p> <p>-The sediment placement and landowner activities are outside of project jurisdiction. 4/6-5/17/06</p> <p>- Protect catch basins and restore the island if access is complete. 4/6-5/17/06</p> <p>-Due to the sandy soils, EC mats still need to be installed here to promote stabilization. 5/10-5/17/06</p> <p>- The southern area still needs to be stabilized with EC mats and the northern area will be restored with boulders. 5/10-5/17/06</p> <p>- The area will be re-seeded to promote re-vegetation. Vegetation is returning but is spotty. 5/17/06</p> <p>-Install the controls discussed on the slopes. 5/17/06</p> <p>- Continue to restore all vault areas (including near</p> | <p>when feasible.</p> <p>-N/A</p> <p>-N/A</p> <p>-Needs attention</p> <p>- Efforts were being made to acquire mats</p> <p>- Still needs attention</p> <p>- Still needs attention</p> <p>-Needs attention</p> <p>-Restoration was almost complete-</p> |

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| And Diamond Hill Rd. | Rd. 5/17/06 | #123) when access is complete. 4/26-5/17/06 | grass growth continued |
| Adjacent Wetlands and Waterways | <p>-The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. 2/9-5/17/06</p> <p>- Wetlands directly to the east of the basin have sediment accumulation up to 6" that will require removal. 1/19-5/17/06</p> <p>-The soil surface of the HDD yard appears to be composed of the subsoil layer rather than the original topsoil layer due to the intensive excavation here. 4/12-5/17/06</p> <p>- Some additional stream bank stabilization is needed around the Georgetown Deli. 5/10-5/17/06</p> | <p>- The disturbed area will be smoothed out and allowed to revegetate. Wetland seed mix is also being considered. 5/10-5/17/06</p> <p>- Sediment buildup should be removed carefully by hand to the extent feasible. 3/9-5/17/06</p> <p>- Restoration will consist of grading out the basin and berm and placing topsoil with a high organic component to promote good re-vegetation. 4/12-5/17/06</p> <p>-Portions of the site will be used for school parking and vegetation will not be restored here.</p> <p>- See EC sections for details. 5/17/06</p> | <p>- Still needs attention</p> <p>-Still needs attention</p> <p>-Restoration will be occurring shortly</p> <p>- Still needs attention</p> |
| Staging, Storage, and Parking Areas | <p>- The equipment storage yard on the property south of the Rt. 7 & 107 intersection was mostly contained. 1/26-5/17/06</p> <p>- Disturbance is mostly due to landowner activities. 3/15-5/17/06</p> <p>- Debris was being piled here as well. 5/4-5/17/06</p> <p>- The small storage area along Rt 7 across from Old Highway Rd is still in use 5/17/06</p> | <p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind. Equipment should not be placed near resource areas. 3/9-5/17/06</p> <p>- Remove when feasible. 5/4-5/17/06</p> <p>- The area is fairly well contained. Continue good housekeeping here. 5/4-5/17/06</p> | <p>-N/A</p> <p>- Still needs attention</p> <p>-N/A</p> |

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| | <ul style="list-style-type: none"> - The racquet club storage yard appears to be under clean-up. 5/10-5/17/06 - Frac tanks and equipment were stored at the HDD. The asphalt spoil from each night is placed here but removed shortly. 5/4-5/17/06 Actual blocks of asphalt were also noted and should be cleaned up. 5/17/07 | <ul style="list-style-type: none"> - Install haybales at the culvert within the swale if necessary. 2/2-5/17/06 - Remember to remove all asphalt upon restoration of the area. 4/26-5/17/06 | <ul style="list-style-type: none"> - The yard is being straightened up -Restoration should occur sooner than later if feasible |
| Soils | <ul style="list-style-type: none"> - Most soils on roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. Soils off roadway can be returned to the trench. | <ul style="list-style-type: none"> - Soils appear to be handled appropriately. 5/17/06 - Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-5/17/06 | N/A at this time |
| State species of concern, threatened and endangered species | <ul style="list-style-type: none"> - No species of concern are located in this area of construction. | - N/A | -N/A |
| Vegetative clearing limits (including trees to save or danger trees noted) | <ul style="list-style-type: none"> -A number of bare soil areas remain along Rt 7 where restoration efforts should continue. 3/29-5/17/06 - Some erosion was noted in previously restored areas such as near Scribner Hill Rd. 1/4-5/17/06 -Restoration efforts are largely complete along Umpawaug Rd. 5/10-5/17/06 -It may be difficult to promote vegetative growth at the HDD, Wilton HS, and portions of the Georgetown Deli due to the sandy soil surface following excavation. 4/26-5/17/06 | <ul style="list-style-type: none"> -Other utility projects are ongoing as well making it difficult to coordinate efforts. 3/29-5/17/06. -Repair erosion in these areas now that the growing season is here. 1/4-5/17/06 -Continue to restore where necessary. Grass is starting to grow in many areas. 5/10-5/17/06 -Areas should be placed either with topsoil or EC mats for full stabilization. 5/17/06 | <ul style="list-style-type: none"> Restoration efforts were noted. Continue to provide. -Restoration is ongoing - Still needs attention |

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| Dewatering | <ul style="list-style-type: none"> -Ground water has been an issue within the School Rd site excavations. Frac tanks are present here for dewatering. 5/17/06 - Water was noted streaming from the site under the silt fence barriers into the wetland. 5/17/06 | <ul style="list-style-type: none"> - Frac tanks are a good option to prevent further sedimentation. 4/12-5/17/06 - It is unclear if this was a result of more offsite dewatering but sediment from site is being deposited in the wetland. 5/17/06 | <ul style="list-style-type: none"> -N/A - Needs attention |
| Blasting | - No blasting is occurring on site at this time. | - None at this time. | N/A |
| Spills and Material Storage | - In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 5/17/06 | <ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers. - Continue to keep all vehicles maintained well (i.e. no apparent fluid | -N/A |
| | | <ul style="list-style-type: none"> leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand. - Report spills immediately, even if they are being controlled. | |
| Additional Observations | | | |

Next likely scheduled inspection:

Thursday May 25, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Ann Schwenzer



345kV (HDD) Photo shows an overall view of the basin and berm remaining at the HDD. This area is supposed to be graded soon. Haybales/controls are starting to deteriorate. 5/17/06



Photo on the left shows an overall view of the site which will be restored. Photo on the right shows where water was flowing to the silt fence and into the eastern wetland. It is unclear whether this was from on or off-site dewatering. 5/17/06



Photo on the left shows the water washing out under the silt fence. It was somewhat clear but picking up sediment from the site and previous deposits in the wetland. (Wilton HS J&B): Photo on the right shows the area adjacent to the stream. Vegetation is returning but spotty. 5/17/06



(Route 7) Photo shows the storage area which is contained but a debris pile remains here. Consider removing when feasible. 5/17/06



(Georgetown Deli): Photo shows the area at the base of the streambank that slumped in the heavy rains a few weeks ago. Silt fence was removed but EC mats were still recommended here. 5/17/06



Photo on the left shows the bank just north of the deli. Silt fence was removed but the area of erosion still requires mats or further stabilization. Photo on the right shows where silt fence was removed further north. Boulders still need to be installed on the eroded spot along the slope.

5/17/06